In the Claims:

1-18 (cancelled)

19. (new) A controller device comprising:

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a. Hardware comprising of a processing means using an operative system that runs an application. said application made of a plurality of micro-objects from a micro-object library based on the native programming instruction and hardware resources of controller. said library containing several types of micro-objects, each one with its own methods and capabilities to establish execution relations with other micro-objects, a memory means, an Input/Output means and a communication means; b. a Monitoring Graphics User Interface which is contain on a computer processing means, interfacing to a plurality of hardware through said micro-objects; c. a network adapter that receives from and sends data to a plurality of hardware through said hardware's communication means using said micro-objects: and d. having said monitoring graphics user interface interfaces to a plurality of hardware through said Network Adapter.

20 . (new) The controller of claim 19 wherein said interface from the hardware to the network adapter consists of a send and receive function were said interface converts these functions into network specific routines.

21. (new) The controller of claim 19 wherein the communication from the hardware to the network adapter consists of a send and receive function with a logical ID being assigned to each hardware and the send function using four parameters; Service, whether an acknowledgement is needed; Destination hardware; Source hardware: and Length, which is the length of the data packet to be communicated.

22. (new) The controller of claim 19 wherein the micro-object library is created with a plurality of micro-objects each with each own methods and capabilities.

23. (new) The controller of claim 19 wherein when changing hardware, a new set of micro-objects for the new hardware will be used that will contain methods and data structure analogue to the old set of micro-objects used by the old hardware.

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24. (new) A method of using a controller device comprising:

a. Having hardware comprising of a processing means using an operative system that runs an application, said application made of a plurality of micro-objects from a micro-object library based on the native programming instruction and hardware resources of controller, said library containing several types of micro-objects, each one with its own methods and capabilities to establish execution relations with other micro-objects, a memory means, an Input/Output means and a communication means; b having a Monitoring Graphics User Interface which is contain on a computer processing means, interfacing to a plurality of hardware through said micro-objects; c. having a network adapter that receives from and sends data to a plurality of hardware through said hardware's communication means using said micro-objects; and d. having said monitoring graphics user interface interfaces to a plurality of hardware through said Network Adapter.

25 . (new) The method of claim 24 which includes having said interface from the hardware to the network adapter consisting of a send and receive function were said interface converts these functions into network specific routines.

26. (new) The method of claim 24 which includes having the communication from the hardware to the network adapter consisting of a send and receive function with assigning a logical ID being to each hardware and the send function using four parameters: Service, whether an acknowledgement is needed; Destination hardware: Source hardware; and - Length, which is the length of the data packet to be communicated.

27. (new) The method of claim 24 which includes creating the micro-object library with a plurality of micro-objects each with each own methods and capabilities.

28. (new) The method of claim 24 which includes when changing hardware, using a new set of micro-objects for the new hardware that will contain methods and data structure analogue to the old set of micro-objects used by the old hardware.